

## ABSTRACT

*Sub-A<sup>9</sup>* → A system and method for integrating data representing at least one weather parameter prevailing at at least a first geographic location into a television broadcast related to the first geographic location. The system includes at least one monitoring station located at the first geographic location, with the monitoring station including apparatus for sensing the weather parameter. The sensing apparatus is adapted to generate a weather parameter signal representing the weather parameter. The monitoring station also includes apparatus for transmitting the weather parameter signal from the monitoring station. The system also includes a base station that further includes apparatus for receiving the weather parameter signal from the monitoring station. This receiving apparatus provides the weather parameter signal to rest of the base station. Apparatus, coupled to receive the weather parameter signal from the receiving apparatus, are provided for generating an icon signal representing a weather parameter icon in response to the weather parameter signal. The weather parameter icon represents the weather parameter sensed at the first geographic location. Apparatus is provided for receiving an input television signal representing the television broadcast related to the first geographic location. These receiving apparatus provide the input television signal to the base station. Finally, apparatus is provided for merging the input television signal with the icon signal, with the merging apparatus producing an output television signal representing the weather parameter icon superimposed on the input television signal.